

Amendments to the Claims

Please amend claims 4, 5, 9, 12, 14, 17, 19, 20, 24, 25, 29, 32 and 34. The currently pending claims as amended are listed below.


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- 1 1. (Original) A method of data access code generation, comprising:
2 a) describing a data object in a data object description document;
3 b) applying at least one code generation template to said data object description
4 document;
5 c) generating at least one data access class.
- 1 2. (Original) The method according to claim 1, wherein said data object description
2 document conforms to a data object document type definition.
- 1 3. (Original) The method according to claim 1, wherein steps b) and c) are performed by a
2 data access code generator routine.
- ai 1 4. (Currently Amended) The method according to claim 1, wherein said at least one data
2 access class is a data access ~~Java~~ JAVA class.
- 1 5. (Currently Amended) The method according to claim 1, wherein said data object
2 description document is created in Extensible Markup Language (XML) language.
- 1 6. (Original) The method according to claim 1, wherein said at least one code generation
2 template is implemented in a transformation language.
- 1 7. (Original) The method according to claim 6, wherein said transformation language is
2 Extensible Stylesheet Language (XSL).

3 8. (Original) The method according to claim 3, wherein said data access code generator
4 takes said data object description document and said at least one code generation template as
5 inputs and outputs said at least one data access class.

1 9. (Currently Amended) A method of generating data access ~~Java~~ JAVA classes,
2 comprising:

- 3 a) creating a XML data object description;
- 4 b) applying a plurality of code generation templates to said XML data object
5 description;
- 6 c) generating at least one data access ~~Java~~ JAVA class.

1 10. (Original) The method according to claim 9, wherein said XML data object description is
2 created pursuant to a data object document type definition.

 1 11. (Original) The method according to claim 9, wherein steps b) and c) are performed by a
2 data access code generator routine.

1 12. (Currently Amended) The method according to claim 11, wherein said data access code
2 generator takes said XML data object description and said at least one code generation template as
3 inputs and outputs said at least one data access ~~Java~~ JAVA class.

1 13. (Original) A method of data access code generation in an object-oriented programming
2 environment, comprising:

- 3 a) describing a data object in a data object description document;
- 4 b) applying at least one code generation template to said data object description
5 document;
- 6 c) generating at least one data access class.

7 14. (Currently Amended) The method according to claim 13, wherein said object-oriented
8 programming environment is ~~Java~~ the JAVA programming environment.

1 15. (Original) The method according to claim 13, wherein said data object description
2 document conforms to a data object document type description.

1 16. (Original) The method according to claim 13, wherein said code generation template is
2 an Extensible Stylesheet Language (XSL) document.

1 17. (Currently Amended) An apparatus for generating data access code comprising:

- 2 a) a data object descriptor;
3 b) ~~a~~ at least one code generation template; and
4 c) a code generator operative to generate at least one data access class.

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1 18. (Original) The apparatus according to claim 17, wherein said data object descriptor is
2 operative to describe a data object that conforms to a data object document type definition.

1 19. (Currently Amended) The apparatus according to claim 17, wherein said at least one
2 code generation template is operative to define the transformation of ~~said a~~ said a data object description
3 comprising data object descriptors to said at least one data access class.

1 20. (Currently Amended) The apparatus according to claim 17, wherein said at least one data
2 access class is a data access ~~Java~~ JAVA class.

1 21. (Original) The apparatus according to claim 17, wherein said data object descriptor is
2 created in Extensible Markup Language (XML).

- 1 22. (Original) A program product, said program product comprising:
2 a) memory; and
3 b) a data access code generator stored on said memory, said data access code
4 generator being configured to perform the steps of,
5 i) describing a data object in a data object description document;
6 ii) applying at least one code generation template to said data object
7 description document; and
8 iii) generating at least one data access class.

- 1 23. (Original) The program product of claim 22, wherein said data object description
2 document conforms to a data object document type definition.

- 1 24. (Currently Amended) The program product of claim 22, wherein said at least one data
2 access class is a data access ~~Java~~ JAVA class.

- 1 25. (Currently Amended) The program product of claim 22, wherein said data object
2 description document is created in Extensible Markup Language (XML) language.

- 1 26. (Original) The program product of claim 22, wherein said at least one code generation
2 template is implemented in a transformation language.

- 1 27. (Original) The program product of claim 26, wherein said transformation language is
2 Extensible Stylesheet Language (XSL).

- 1 28. (Original) The program product of claim 24, wherein said data access code generator
2 takes said data object description document and said at least one code generation template as
3 inputs and outputs said at least one data access class.

- 4 29. (Currently Amended) A program product, said program product comprising:
5 a) memory; and
6 b) a program stored on said memory, said program being configured to perform the
7 steps of,
8 i) creating a XML data object description;
9 ii) applying a plurality of code generation templates to said XML data object
10 description; and
11 iii) generating at least one data access ~~Java~~ JAVA class.
- 1 30. (Original) The program product of claim 29, wherein said XML data object description is
2 created pursuant to a data object document type definition.
- 1 31. (Original) The program product of claim 29, wherein steps ii) and iii) are performed by a
2 data access code generator routine.
- 1 32. (Currently Amended) The program product of claim 31, wherein said data access code
2 generator takes said XML data object description and said at least one code generation template as
3 inputs and outputs said at least one data access ~~Java~~ JAVA class.
- 1 33. (Original) A program product, said program product comprising:
2 a) memory; and
3 b) a program stored on said memory, said program being configured to perform the
4 steps of,
5 i) describing a data object in a data object description document;
6 ii) applying at least one code generation template to said data object
7 description document;
8 iii) generating at least one data access class.

9 34. (Currently Amended) The program product of claim 33, wherein said object-oriented
10 programming environment is ~~Java~~ the JAVA programming environment.

Al 1 35. (Original) The program product of claim 33, wherein said data object description
2 document conforms to a data object document type description.

1 36. (Original) The program product of claim 33, wherein said code generation template is an
2 Extensible Stylesheet Language (XSL) document.
